rycobel

T-SERIES UNIVERSAL MATERIALS TENSILE TESTERS
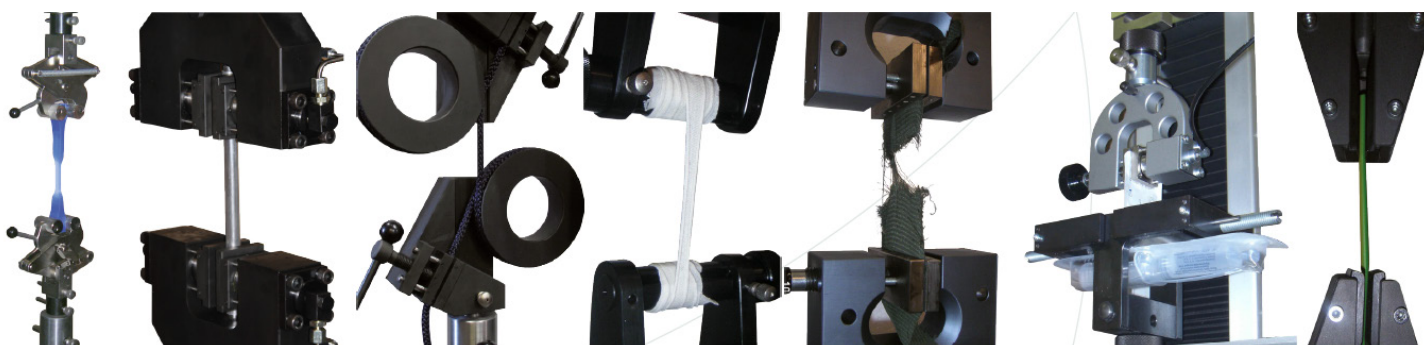

Following models are available :

» T3 (up to 3 kN, travel 500 mm)
» T5 (up to 5 kN, travel 500 mm)
» T3-1200 (up to 3 kN, travel 1200 mm)
» T5-1200 (up to 5 kN, travel 1200 mm)
» T10 (up to 10 kN, travel 700 mm with dual screw)
» T10-1200 (up to 10 kN, travel 1200 mm with dual screw)
» T20 (up to 20 kN, travel 1000 mm, max. sample width 400 mm with dual screw)
» T25 (up to 25 kN, travel 1000 mm, max. sample width 400 mm with dual screw)
» T30 (up to 30 kN, travel 1000 mm, max. samplewidth 400 mm with dual screw)
» T50 (up to 50 kN, travel 1000 mm, max. samplewidth 400 mm with dual screw)

Features

» Microprocessor controlled
» Stand-alone (working without external computer)
» RS-232 to pc
» 2 line LCD updates force and distance
» Measuring length with HP-encoder accuracy: 0.01 mm
» Standard loadcell: 0.03 % linearity with calibration certificate
» Made of massive aluminium and stainless steel ballbearings and ball screws
» Includes software for standard testing

Technical specifications

Force capacity

» T3 up to 3 kN
» T5 up to 5 kN
» T10 up to 10 kN
» T20 up to 25 kN
» T25 up to 25 kN
» T30 up to 30 kN
» T50 up to 50 kN

Crosshead speed

» Speed is variabel controlled from 1-700 mm/min with the max load.
» Max speed 800 mm/min only for moving, T20-T50 can drive with 1000 mm/min.
» Special sizes with different speed are possible.

Resolution

» Resolution of a standard loadcell is ± 100 000 data points
» with a rate of 50 Hz (standard delivery).
» Max reachable resolution is 2 000 000 data points with a high precision load cell.

Physical specifications

» Net weight: Varying from 50 (T3) to 250 kg (T20)

Options

» Extensometer or a second load cell

Software

The standard unit is able to work without PC in two modes:

Constant speed regulation

During test it shows actual values of force and load. After test it shows the maximum value of force and the max. extension. Break force is also visible.

Constant force regulation

A presetted value of force is kept during an adjustable time.

The programs can be changed via pc and RS-232. The languages (german, english, spanish, french, dänisch and italian) are only switchable on LCD.

Standard delivery includes a basic-program for Microsoft Windows XP, vista and Windows 7 to move the unit, collect and save data, a printout and statistics.